Performance Data Sheet

AGB4537YTZ

General Information

Model	AGB4537YTZ	**Refrigerant**	R-134a
Test Condition	Tecumseh Europe	**Performance Test Voltage**	400V 3~ 50HZ
Return Gas	-6.7°C (20°F) SUPERHEAT	**Motor Type**	3PH

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-6.7	Watts (Capacity)	6640	5620	4610	3590
	Watts (Power)	2040	2120	2200	2280
	Amps	3.97	4.05	4.13	4.21
-5	Watts (Capacity)	7320	6220	5130	4030
	Watts (Power)	2120	2220	2310	2410
	Amps	4.07	4.17	4.27	4.37
0	Watts (Capacity)	9550	8210	6860	5520
	Watts (Power)	2320	2480	2650	2810
	Amps	4.35	4.52	4.70	4.88
5	Watts (Capacity)	12200	10500	8910	7290
	Watts (Power)	2480	2730	2970	3210
	Amps	4.58	4.86	5.13	5.41
7.2	Watts (Capacity)	13400	11700	9910	8160
	Watts (Power)	2540	2830	3110	3390
	Amps	4.67	5.00	5.32	5.65
10	Watts (Capacity)	15100	13200	11300	9340
	Watts (Power)	2610	2950	3290	3630
	Amps	4.77	5.17	5.56	5.96
15	Watts (Capacity)	18500	16200	13900	11700
	Watts (Power)	2700	3150	3600	4040
	Amps	4.93	5.46	5.99	6.53

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.358317E+04	1.834433E+03	3.803233E+00	
C2	6.419559E+02	-6.900954E+00	-1.210477E-03	
C3	-1.343492E+02	1.592388E+01	1.826795E-02	

C4	9.099340E+00	-1.596618E+00	-2.051115E-03	
C5	-5.267999E+00	1.449378E+00	1.747581E-03	
C6	-1.411405E-03	9.250941E-03	-8.502630E-06	
C7	-2.000000E-16	0.000000E+00	0.000000E+00	
C8	-5.725734E-02	2.889912E-02	4.080510E-05	
C9	1.370000E-09	9.020000E-06	-7.500000E-09	
C10	9.410000E-06	-5.940000E-05	6.610000E-08	

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature

Performance Data Sheet

AGB4537YTZ

General Information

Model	AGB4537YTZ	**Refrigerant**	R-134a
Test Condition	Tecumseh Europe	**Performance Test Voltage**	440V 3~ 60HZ
Return Gas	-6.7°C (20°F) SUPERHEAT	**Motor Type**	3PH

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-6.7	Watts (Capacity)	7880	6670	5470	4260
	Watts (Power)	2490	2590	2680	2780
	Amps	4.10	4.18	4.26	4.34
-5	Watts (Capacity)	8670	7380	6080	4780
	Watts (Power)	2590	2710	2830	2950
	Amps	4.24	4.34	4.45	4.55
0	Watts (Capacity)	11300	9690	8110	6520
	Watts (Power)	2860	3060	3260	3470
	Amps	4.64	4.83	5.02	5.21
5	Watts (Capacity)	14300	12400	10500	8580
	Watts (Power)	3090	3390	3690	4000
	Amps	5.01	5.32	5.62	5.92
7.2	Watts (Capacity)	15800	13700	11600	9590
	Watts (Power)	3180	3530	3880	4240
	Amps	5.17	5.53	5.89	6.25
10	Watts (Capacity)	17800	15500	13200	11000
	Watts (Power)	3280	3700	4120	4550
	Amps	5.36	5.81	6.25	6.69
15	Watts (Capacity)	21600	19000	16300	13700
	Watts (Power)	3430	3990	4550	5120
	Amps	5.69	6.30	6.90	7.51

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.604331E+04	2.261284E+03	4.055499E+00	
C2	7.467738E+02	-5.130792E+00	1.773657E-02	
C3	-1.586927E+02	1.966041E+01	1.956474E-02	

C4	1.025238E+01	-1.942253E+00	-2.017247E-03	
C5	-6.111690E+00	1.828843E+00	1.988350E-03	
C6	-1.679519E-03	1.136033E-02	-9.105620E-06	
C7	-2.000000E-16	0.000000E+00	0.000000E+00	
C8	-6.332218E-02	3.828089E-02	5.163240E-05	
C9	2.200000E-09	1.070000E-05	-5.900000E-09	
C10	1.120000E-05	-7.300000E-05	7.080000E-08	

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature